1951. **File No.** 9474/36 Pt IV-A

P.W. DEPARTMENT

C CLASS

9 BRANCH (II)

Subject:— Major Irrigation Scheme.

Six Monthly Progress Report in respect of

C[K]-1751

Pt IV-A

File No. 9474/36

9.B.(II)

Std. Sectt. Slip 24 B e.

G.P.K.—J H 3 50,000 - 5.34
G.R.G.D No 2108, dated 22 6-22.

Correspondence

Sectt 78 A e

DOCKET SHEET (B)

Subject:—

File No. 9474/36

P W DEPT.

I BRANCH. (11)

References:—

Date,	To whom sent.	Notes instructions,

PRABHA LEFT BANK CANAL DIVISION

HALF YEARLY PROGRESS CHART FOR THE HALF YEAR ENDING DECEMBER 1950.

Sl. No.	Item of work	Programme for the half year ending June - December.	Total estimated quantities of work to be done.	Actual progress achieved with quantities of work done.	Reasons for slow progress if any.
1	2	3	4	5	6
1.	Chataprabha Left Bank Canal - 0 to 44 miles and Branches. 1. Preliminary expenses. 2. Land. 3. Masonry works. 4. Buildings. 5. Earthwork. 6. Misc. Items. 7. Special Tools and plants. Distributaries. 8. Preliminary expenses. 9. Works.	Programme for the half year ending December 1950. 13% of the work will be completed.	Main Canal and Branches. Rs. 1. Preliminary expenses. ... 50,000/- 2. Land ... ... 9,32,884/- 3. Masonry works. ... 44,63,864/- 4. Buildings... ... 10,01,000/- 5. Earth work.. ...1,71,20,358/- 6. Misc. Items. ... 21,69,593/- 7. Special Tools and Plants. ... 28,49,578/- Distributaries. 8. Preliminary expenses. ... 1,05,000/- 9. Works. ...1,14,49,077/-	16.4% of the work is complete. 38,983/- 12,439/- 82,400/- 3,66,769/- 51,43,131/- 2,82,428/- 14,22,267/- 65,714/-	

SNP/-29-12.(3).

Executive Engineer,
Chataprabha Left Bank Canal Division.

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Superintending Engineer,
Karnatak Irrigation Circle,
Dharwar.

MAJOR I[rrig]ATION WORKS IN GHATAPRABHA I BANK CANAL DIVISION.

SIX MONTHLY PROGRESS REPORT FOR THE 31ST DECEMBER 1950.

Date of con-cep-tion.	Date of Sanc-tion.	Present position of staff: Date of sanction	Staff recruited.	Item of work.	Present position (end of 1950.	First half of 1951	End of 1951	First half of 1952	End of 1952	1958	
1	2	3	4	5	6	7	8	9	10	11	12
Feb-ruary 1947	Sanction-ed in 1949 as per - Govt.P.W.D. No.9194/36 of 13-1-49.	One Executive In-gineer and 3 S.D.Os in May 1948 for con-struction of Chata-prabha Left Bank Canal.	One Executive Engineer in July 1948. One S.D.O. in July 1948. One S.D.O. in Oct. 1948. One S.D.O. in Feb. 1949.	Ghataprab-bha Left Bank Canal Construc-tion 0 to 44 miles with two branches.	Construc-tion is in pro-gress 16.4% per-cent of the work is comple-te.	18%	23%	28%	32%	First 44 miles will be comple-te - fur-ther construction depends on sanction to the remaining	

In November 1948 one S.D.O. was transfered from Irrigation Project Dn.,(South) Dharwar to construction Division for preparing Projects under the construction Executive Engineer. The Sub-Dn. was however converted into construction Sub-Dn., in May 1949.

One Technical Assis-tant to the Executive Engineer in May '49.

One Technical Assistant in June 1949.

In April 1950 one more S.D.O. from I.P.Dn.,(South) Dharwar was transfered to construction Division and his Sub-Dn., was renamed as "L" Sub-Dn. as a construction Sub-Divisions

One Dy.Engr. for the Designs Branch under the Ex.Engr.,was sanc-tioned as per Govt. letter P.W.D.No.9194/ 36-E(II) dated 7-7-50.

In August 1950 one S.D.O. from Irrigation Dn., Dharwar was - transfered under the construc-tion Ex.,Engr.,as Deputy Engr., Designs Branch.

NOTE:- The figures represent percentage of total - construction.

Executive Engineer,
Ghataprabha Left Bank Canal Divn.

SRP/-7-1.

* One Mechanical S.D.O. under the construction Executive Engineer.

* One Mechanical S.D.O. in July 1949.

Superintending Engineer,
Karnatak Irrigation Circle,
Dharwar.

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Form of comparative statement required with the Half Yearly Programme chart of Major Irrigation Schemes (Post War Reconstruction and Development Programme of the Bombay State) under Investigation in the Irrigation Projects Division (South), Dharwar for the Half Year ending 31st December 1950.

Sl. No.	Item of Work	Programme for the half year ended 31st Dec. 1950.	Total estimated quantities of work to be done.	Actual progress achieved with quantities of work done during the half year ending 31st December 1950	Reasons for slow progress if any.
1	2	3	4	5	6
I	GHATAPRABHA VALLEY DEVELOPMENT PROJECT				
1.	Aira Dam across Hiranyakeshi River.		(1) (i) Reconnaitary survey (completed)		Do not arise
			(ii) Preliminary test boring work and trial pits (completed)		-do-
			(iii) Collection of Hydrological data (completed)		-do-
			(iv) Preparation of rough plans and estimates (completed)		-do-
		Boring work will be completed	(v) Detailed boring operations (about 11 Bore Holes)	Boring work of 4 additional Bore Holes is completed and that of the 5th is nearing completion. Except for the last 20 ft. depth of the last bore, all boring work completed.	
		Contour surveys will be commenced if the site is selected finally.	(vi) Detailed surveys (capacity contour surveys etc)	Not commenced, pending decision on the final selection of dam site.	

6. Markendaya Project.

7. Tank at Kohalli.

8. Malaprabha River Project.

9. Don River Scheme.

10. Benchi Dori Scheme on Tatti Malla.

Executive Engineer,
Irrigation Projects Dn. (South).

GLM/5-1.

Superintending Engineer
Karnatak Irrigation Circle,
Dharwar.

Half yearly progress report for the period ending 31st December, 1950
in respect of Major Irrigation works under investigation in the Irrigation Projects Division,
(South), Dharwar.

Concep.	Date of Sanction.	Present position of staff. Date of sanction.	Present position of staff. Staff recruited.	Item of work.	Present position	Anticipated Progress & Position. First half of 1951.	Anticipated Progress & Position. End of 1951.	Anticipated Progress & Position. 1952.	Remarks.
1	2	3	4	5	6	7	8	9	10
February 1947	February 1947.	One Executive Engineer in Feb. 47 and 3 S.D.Os in May 1947 for preparation & of projects.	Old staff from Road Projects Dn. was switched on for this work.	Ghataprabha Valley Development scheme.					
		4th S.D.C. in July 48 for Coil and Sub-Coils surveys in Karnatak area.	One S.D.O. in July 1948.	1.Dam site at Ajra across Hiranyakeshi River.	Boring work of 12 out of 13 bore holes have been completed & last one is nearing. Completion	Boring work will be completed. Capacity contour surveys will be commenced if the site is finally selected.	Capacity for con-tour surveys will be completed if the site is selected for construction.	Construction of the dam may be in progress provided sanction to construction is obtained and necessary funds are allotted by Government.	
		5th S.D.C. in July 48 for Reconnaissance of Irrigation Projects in Karnatak.	One S.D.O. in July 48.						
		One Technical Assistant to Ex. Engr. Irrigation Projects Dn. (south) in May 1949.	One Technical Assistant to Executive Engineer, Irrigation Projects Dn. (South), in June 1949.						

Note:- 1 Sub-Divn. under this division was transferred to the G.L.B.C. Dn. during November 1948 & another Sub-Divn. under this Division was also transferred to the G.L.B.C.Dn. as a construction sub-division from 1-4-1950. The post of the Technical Assistant to Executive Engineer, I.P. Dn.(South), is abolished from 1-11-1950.	2. Dam site at Hadalaga across Ghataprabha River.	Boring work of five bore holes is completed. Bench mark survey pertaining to the Main contour survey is commenced.	Boring work will be completed. Capacity contour surveys will be in progress.	Capacity contour surveys will be completed.	Construction of the dam either at Hadalaga or Shettihalli will be completed provided the project is sanctioned & funds allotted by Government.
	3. Alternative dam site at Hadalga - Lower site near Shettihalli.	Boring work of 2 out of 4 bore holes is completed.	Boring work will be completed.	-do-	
	4. Conducting Soil & sub-soil surveys in the commanded areas of the proposed canals in the Karnatak Region.	Soil & sub-soil surveys are in progress in the 1st section of the commanded area of the G.L.B.C. By now 80% of the area is covered.	Soil & sub-soil surveys will be completed in the Ist section of the G.L.B.Cnal and similar surveys in the 2nd section of the G.L.B.C. will be in progress.	Soil & sub-soil surveys will be completed in the area commanded by the 2nd section of the G.L.B.Canal	Soil & sub-soil surveys of any other sanctioned canal projects will be completed.

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1	2	3	4	5	6	7	8	9	10

Ghataprabha Valley Development Scheme.

Note :- The preliminary investigation of alternative Dam sites at Devarde and Petewadi in the valley ant that at ~~Kjxx~~ Adkur in the Ghataprabha Valley has been completed and hence not included.

Dharma River Project.	Rough Plans & estimates for a storege of 784 m.cft. with the necessary modifications and the project for a smaller storage of 309 M.cft. have been completed and are being scrutinised in this office.	A final report on the Project will be submitted.	Construction of the dam will be completed provided the project is sanctioned and funds allotted.

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Foot Note. The investigation or execution of the following projects is either dropped or postponed and hence they ~~are~~ not included in the main body of the progress report.

1. Daddi Dam Project (Part of the Ghataprabha Valley Development Scheme as originally envisaged.)
2. Ghataprabha Right Bank Cana; Project.
3. Improvement to Gaddikeri Tank.
4. Gokak Left Bank Canal Project.

5. Pick-up-weir at Shivyogmandir.

6. Markandeya Project.

7. Tank at Kohalli.

8. Malaprabha River Project.

9. Ram Don River Scheme.

10. Benchi Dori Scheme on Tatti Nalla.

Executive Engineer,
Irrigation Projects Divn.,(South).
6.1.87

Superintending Engineer
Karnataka Irrigation Circle
Dharwar.

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8-1.

Date of conception.	Date of sanction	Present position of Staff. Date of sanction	Staff recruited	Item of work	
1	2	3	4	5	
6th December 1946. (a - Committee was appoint -ed by the Govt. of Bombay for investiga- -tion of the irri- gation part of the - Koyna Valley Irrigation Cum Hydro Electric Project.	25th Dec. 1949 (To carry out the surveys and investi- gation about the irriga- tion part of the Koyna Project, a new Circle was - created by Govt. with - effect from 25-6-49 called the Koyna Irrigation Circle.	Division office 25th June 1949 (1 Execu- tive Engr. & 4 S.D. Officers)	Executive Engineer. 10-8-49. 4 S.D.Os. 1-8-49 23-9-49 18-11-49 5- 4-50	Investiga- tion for the Irriga- tion part of the Koyna - Valley Irrigation CumHydro Electric Project.	(i) S a f l f p f d t w e i
					(ii) S a c i i
					(iii) C c c a A T a p a A V
					(iv) T l a

/(R.L. 1900) and typical f... distribu -taries

mrg. 27/12(7).
Compd.by:- 27/12

ation Circle, Dharwar.

Irrigation Project Division No.2.
Report ending 31-12-1950.

Present position	Anticipated progress and position					Remark.
	First half of 1951	End of 1951	First half of 1952	End of 1952	1953	
6	7	8	9	10	11	12
rveys of main canals d lift distributaries r a total length of 0 miles is over; - rther surveys are in egress: The surveys r the high level lift stributaries are still be taken in hand. The rk of estimating the rth work quantities in hand.	(i) The surveys for the 1800 R.L. main Canals and 1850 and 1900 - lift distributaries will be over with - required plans and estimates as per - programme submitted to S.E.K.I.C.Dharwar under this office No. 56/3474 of 2nd Nov.50.					
il classification of area of about 1 lac t of 9 lacs of acres over, further work in progress.	(ii) Soil Survey of 4.5 lacs of acres i.e.of ½ the area under command will be completed.					
e bore on right bank the river at each the proposed pumping tations viz.Mhaisal and inapur has been taken. e work of taking bores Hirepadsalgi and lihal proposed weir ites is over and the iant is shifted to - inapur site for boring or.	(iii) The work of taking trial bores for investigation of the sub-soil strata at the proposed weir sites viz.Mhaisal, Ainapur, Halihal - Hirepadsalgi will be over.					
e investigations for he feasibility of the oyna Right Bank Canal re in hand.	(iv) An elementary report will be submitted.					

24/12/50

Executive Engineer,
Koyna Irrigation Project Dn.No.2.Miraj.

Superintending Engineer,
Karnatak Irrigation Circle,
Dharwar

6 (a) Survey for new 2 lift disty, 5A & 5B.	6(a) Not progressed during this half year as this item was not contemplated initially in the original programme.	6(a) Approx. 16 miles length.	
7 Soil classification of area under command of Almatti West Canal. 8 Contouring at 5 intervals. 9 Well observation of area under command of the Almatti West Canal.			Item 7 & 9 are being taken up for investigation by Sh the Ex.Engr.K.I.P.Dn.No.2,Miraj. Item 8 not contemplated in the initial stage of investigation.
10 Plans.	10 Plans for the surveyed portion to be completed.	10. Plotting of L & C sections and transferring of alignment of canal in the village map & index plan for the surveyed portion is completed. Not taken up.	

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Form of Comparative statement required with the half yearly progress report.
Koyna Irrigation Project Division No. 1,
for the half year ending 31-12-19[illegible]

FORM A

S.No.	Item of work.	Programme for the half year ending December 1950.	Total estimated quantities of work to be done.	Actual progress achieved with the quantities of work done	Reasons for slow progress if any.
1	2	3	4	5	6
A 1(a)	Almatti Weir Survey.	A 1(a) No programme as work is completed previously.	-	1(a) Completed.	
	(b) Almatti weir site survey near Chimalgi.	(b) -do-	-	(b) -do-	
2	Taking trial bores at weir sites.	2 About 4 bores will be completed.	2 4 bores of about 50 ft. to be sunk.	2(i) One bore on the left bank completed upto 24 ft. depth & abandoned due to floods in the river. (ii) One bore on right bank is now in progress and gone down to 45 ft. depth.	2. No work was possible upto 15th October due to rains and floods in the river. Thereafter a period of one month was lost owing to the inability of the railway to arrange for unloading the plant at Sitimani railway station.
3	Contouring for the pick up weir basin ((survey).	(b) No programme as work is completed previously.	-	3. Completed.	
4	Rising mains survey between the river & canal off takes at R.L.1820.00	4. -do-		4. -do-	
5	Survey of Almatti West canal length 65 miles with detail survey of one sixty 12 miles length.	5. Survey of 65 miles to be completed with trial pits and fixing apices.	5. Survey of 65 miles length of the canal in -cluding contour -ing L & C - sections of canal making trial pits & bores & fixing apices. -	5. Survey of 65 miles completed with all details. depletion	5. Slow progress is due to deputation of staff of Extension Department 2 Overseers having resigned and 2 transferred as also two changes in the Sub-Divisional Officers.
5(a)	Spot surveys & trial pits and C.D.Works for 12 Nos.	5(a) Not proposed during this half year as this item was not contemplated			

[redacted] mating for lift distty.(from R.L.1880.00 to 1960.00)	5. Will be taken up if possible.	5. Not taken up.
6 (a) Survey for two K lift distty,5A & 5B.	6(a) Not proposed during this half year 16 as this item was not contemplated initially in the original programme.	6(a) [redacted]
7 Soil classification of area under command of Almatti West Canal. 8 Contouring at 5 intervals. 9 Well observation of area under command of the Almatti West Canal.		Item 7 & 9 are being taken up for investigation by Sh the Ex.Engr.K.I.P.Dn.No.2,Miraj. Item 8 not contemplated in the initial stage of investigation.
10 Plans.	10 Plans for the surveyed portion to be completed.	10. Plotting of L & C sections & transferring of alignment of canal in the village map & index plan for the surveyed portion is completed.
[redacted]	11. Will be taken up [redacted]	Not taken up.

P....

1	2	3	4	5	6
B	1. Survey of East Canal starting at R.L.1228.00 and its distys. 65 miles of main canal & one disty. to be fully surveyed 12 miles.	1 No programme as work for 65 miles of survey of main canal has been completed.- previously. (ii) Two distys. near Muddebihal will be surveyed. Approx.12 miles.	-	1 (i) Compl[illegible] (ii) One d[illegible] survey taken up [illegible] near survey comp[illegible].	1(ii) Contour survey for the area of the disty. was not contemplated originally. However it was necessary and has been completed. Now the disty. and outlet alignment will be taken up.
	1(a) Spot surveys and trial pits for C.D.Works for 12 Nos.	1(a) Not proposed during this half year as this item was not contemplated initially in the original programme.	-	1(a) Not ta[illegible]p.	
	2 Survey of Lift Canal at R.L.1900.00 length 27 miles.	2. Survey of lift branch 6 to 25 miles will be completed.	-	2. Survey o[illegible]t Branch 6 to 24 com[illegible]. depletion	2. Slow progress due to depletion of staff. 3 Overseers and 1 Subovarseer having resigned and two Subovarseers preceded on leave.
	3 Survey of rising mains for lift disty. at R.L. 1900.00.	3. Actual survey of rising mains of two lift canals will not be taken up.	-	3. Not taken up.	
	3(a) Survey for two lift disty. UB & SB.	3(a) Not proposed during this half year as this item was not contemplated initially in the original programme.	Approx. length 16 miles.	3 (A). -do-	
	4. Soil classification of area under command of Almatti East Canal. 5 Contouring at 5 ft. interval. 6. Soil observation of [illegible]		-		Item 4 and 6 are being taken up for investigation by the Ex.Engr. K.I.P.Dn.No.2, Miraj. Item 5 not contemplated in the initial stage of investigation.

8. Estimates.	8. Will be taken up if possible of the surveyed portion.	[redacted] Not taken up.

4/1/51

Executive Engineer,
Koyna Irrigation Project Dn.No.1,
Bijapur.

CDG.4.1.51.

Superintending Engineer,
Irrigation Circle,
Dharwar

Date of com-mence-ment.	Date of com-plet-ion.	Present position of staff. Num-ber of staff sanct-ioned.	Staff requir-ed.	Items a
1	2	3	4	
December 1946.	July 1950.	28 Overseers and 17 Subover-seers. (Four Divl. Including two Sub-Divns.).	1 E.E. 2 D.E's. 4 Over-seers. 7 Sub-over-seers.	4 1(a) (b) (c)
		1 E.E. with 3 Sub-Divs.		
Almost	Sub-Stn.			

direction of the Superintending Engineer, Koyna
the programme is slated out only to end of 1981.

- do -

- do -

[redacted]

As at present known the Division is to continue only upto 30-6-51. However o
Irrigation Circle the establishment budget has been provided upto 29-2-1952
No programme is proposed to end of June 1952 at present.

-do- - do -

-do- - do -

[redacted]

1	2	3	4	5	6	7	8	9	10	11	12
Bagewadi Sub-Dn.		5 Overseers. 7 Sub-Overseers.	3(1) Survey of East canal starting at R.L. 1920 and its distys. 65 miles of main canal and one disty. to be fully surveyed 12 miles.	(1) 65 miles of main canal completed. One disty. taken up & contour survey completed.	(1) Survey for 1 disty. for about 10 miles will be completed.	Nil					
			(1A) Spot surveys & trial pits for C.D. Works for 12 Nos.	(1A) Not contemplated in the original programme and hence no progress.	(1A) No work proposed.	(1) ---- be completed.					
			(2) Survey of lift canal at R.L. 1900.00 (length 27 miles)	(2) Survey of lift canal miles 24 to 27 completed.	(2) Survey for lift canal miles 24 to 27 will be completed.	Nil.					
			(3) Survey of rising main for lift. - distys. at R.L. 1900.00.	(3) Not taken up	(3) Survey for rising main of 2 lift distys. will be taken up & completed.						
			3(a) Survey for 2 lift distys. SD & SE length 10 miles (approx).	3(a) Not contemplated in the original programme and hence no progress.	3(a) No work proposed.	3(a) Survey will be completed.					
			(4) Soil classification of area under command of Almatti East Canal								
			(5) Contouring at 4 ft. intervals								

Items 4 and 6 will be dealt with by the Executive Engineer, K.I.P.Dn.No.2, Miraj.

Item No.5 not contemplated in the initial stage.

[redacted] Almatti East Canal.			
(7) Plans.	(7) Plotting of L-Sections and transferring of alignment on V.M. for miles 6 to 24 completed.	(7) Plans for the full length of the lift canal and 2 rising mains and one disty. will be completed.	(7) Plans for the remaining portions will be completed.
(8) Estimates.	(8) Not taken up.	(8) Estimate for surveyed portion will be completed as far as possible.	(8) Estimates will be completed.

C6.4.1.

Executive Engineer,
Koyna [redacted] Project No.No.1,Patan.

Superintending Engineer,
Karnatak Irrigation Circle,
Dharwar.

203 29

No.R-54/A.

Office of the Superintending Engineer
Karnatak Irrigation Circle,
Dharwar, 16th January 1951.

To

The Chairman,
C.W.I.N.C., New Delhi.

Subject:- Post War Reconstruction Programme of Major Irrigation Schemes in Bombay State:
Half yearly progress reports regarding the....

Reference: No.9474/36-II.I.B.(II), dated 18-2-1950 from Deputy Secretary to Government, Public Works Department, Bombay.

Sir,

I enclose herewith, copies in quadruplica of the six-monthly progress reports pertaining to the

1. Ghataprabha Valley Development Scheme
2. Koyna Valley Irrigation-cum-Hydro-electric Project

for the half year ending December 1950 in the two separate forms prescribed.

Yours faithfully,

Enclosures:

As above
for four Divisions.

(Sd) A.G. Naik

Superintending Engineer,
Karnatak Irrigation Circle.

Copy together-with copies of the Progress reports as stated above forwarded with compliments to the Secretary to Government, Public Works Department, Bombay 1, for information.

Encl.- As above.

Through: the Chief Engineer to Government, Public Works Department, Bombay, with compliments.

RNG.

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No.R-54/A.

Office of the Superintending Engineer
Karnatak Irrigation Circle,
Dharwar, 14th January 1951.

To

The Chairman,
C.W.I.N.C., New Delhi.

Subject:- Post War Reconstruction Programme of Major Irrigation Schemes in Bombay State:
Half yearly progress reports regarding the....

Reference:No.9474/36-II.I.B.(II), dated 18-2-1950 from Deputy Secretary to Government, Public Works Department, Bombay.

Sir,

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for the half year ending December 1950 in the two separate forms prescribed.

Yours faithfully,

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Encl.- As above.

Through: the Chief Engineer to Government, Public Works Department, Bombay, with compliments.

RNG.

2 fls 3v

~~Report~~

Pages 33 to 48
and 69, ~~77~~, 77 to 133
kept in Maharashtra file

pages 49 to 76 except p.69
kept in Gujarat file

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28/4/51

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